

CLAIMS

1. An elongate track for holding a measurement scale the track having a channel wherein the track is adapted for attracting magnetically the scale to the channel.
- 5 2. An elongate track as claimed in claim 1 having magnetic material for attracting the scale to the channel of the track magnetically.
- 10 3. An elongate track as claimed in claim 2 wherein the magnetic material is a length of ferrite rubber.
4. An elongate track as claimed in claim 2 wherein the magnetic material is disposed in the channel.
- 15 5. An elongate track as claimed in claim 1 wherein the channel is adapted to hold the scale at scale edge portions only.
6. An elongate track as claimed in claim 1 wherein the track is formed from aluminium and is extruded.
- 20 7. An elongate track as claimed in claim 1 wherein the track is formed from magnetic ferrite rubber, the rubber having the channel formed therein.
8. A magnetic or magnetisable measurement scale for use with the elongate track of claim 1.
- 25 9. Measurement apparatus comprising a measurement scale and an elongate track for holding the scale, the track having a channel wherein the track is adapted for attracting magnetically the scale to the channel.

10. Measurement apparatus as claimed in claim 9 further comprising a scale tensioner for tensioning the scale on the track.

11. A measurement scale tensioning device wherein the device includes a
5 preloadable member operable to urge a scale into tension.

12. A measurement scale tensioning device as claimed in claim 11 wherein the
preloadable member includes a resilient part and the tensioner includes also a loading
part for preloading the member and for releasing the preload.

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13. A measurement scale tensioning device as claimed in claim 12 wherein the
loading part includes an eccentric, rotatable to effect the preloading and release of the
preload.

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14. A method for tensioning a measurement scale comprising the steps of:
providing a measurement scale, and scale tensioner;
mounting the scale to a substrate;
securing one end of the scale to the substrate;
preloading the scale tensioner;

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securing the tensioner to the substrate adjacent the other end of the scale;
releasing the preload in the tensioner to cause a tension in the scale;
securing the said other end of the scale to the substrate whilst maintaining the
tension in the scale;
releasing the securement of the tensioner.

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15. A method for tensioning a measurement scale as claimed in claim 14 further
comprising the steps of:
preloading the scale tensioner again;
re-securing the tensioner to the substrate adjacent the said other end of the
scale;
releasing the preload in the tensioner;

releasing the securement of the scale at the said other end, thereby allowing further tension in the scale;

re-securing the said other end of the scale to the substrate whilst maintaining the further tension in the scale;

5 releasing the securement of the tensioner, and;

repeating the aforementioned steps of this claim until the scale extends substantially no more on application of the further tension.

16. A method according to claim 14 comprising the step of removing the tensioner
10 from the substrate following securement of the scale at the said other end.

17. A method according to claim 15 comprising the step of removing the tensioner from the substrate following re-securement of the scale at the said other end.

15 18. A method according to claim 14 wherein the step of securing the scale to the substrate includes the provision of a track for holding the scale to the substrate.

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